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Date: October 12, 2004

To: Mail Stop Amendment
Attn: Examiner Erik J. Kielin

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Company: United States Patent and Trademark Office

Fax: 1-703-872-9306

Re: Application Number: 09/977,069
Filing Date: 10/11/2004
Attorney Docket No.: 5002.04

Sender: Joan I. Abriam

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Office Action Dated: 07/16/2004
Response Due: 10/16/2004
Response Faxed: 10/12/2004

PTO/SB/21 (04-04)
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<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>	Application Number	09/977,069	
	Filing Date	10/11/2001	
	First Named Inventor	G. Ramanath	
	Art Unit	2813	
	Examiner Name	Kielin, Erik J	
Total Number of Pages in This Submission	11	Attorney Docket Number	5002.04

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Part/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
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Firm or Individual name	David J. Aston Reg. No. 28,051
Signature	<i>David J. Aston</i>
Date	October 12, 2004

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PATENT

Peters Verny Jones & Schmitt Docket No. 5002.04
Customer No. 23308

OCT 12 2004

Ser. No. 09/977,069

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	: G. Ramanath, et al.	Art Unit.	: 2813
Serial	: 09/977,069	Examiner	: Kielin, Erik J
Number			
Filed	: 10/11/2001		:
Title	: Self Assembled -Near- Zero Thickness Molecular Layers as Diffusion Barriers for Cu Metallization		:
Confirmation		Customer	
Number	: 9488	Number	: 23308

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Dated: 10/12/04

By: 

Printed Name: Joan L. Abriam

AMENDMENT IN RESPONSE TO NON-FINAL
OFFICE ACTION MAILED 07/16/2004

Mail Stop Amendment
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office Action of July 16, 2004, please amend the above-

Amendment dated 10/12/2004

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PATENT

Peters Verny Jones & Schmitt Docket No. 5002.04
Customer No. 23308

Ser. No. 09/977,069

identified application as set forth below, in accordance with revised amendment practice, 37 CFR 1.121, effective July 30, 2003. A complete listing of all claims, replacing all prior claims in the application, and including the text of all non-cancelled claims, is attached.

Because this Amendment and Response is being filed prior to 10/16/2004, and no new claims are added, no fee is believed due. However, the Commissioner is authorized to charge any fee due to Deposit Account No. 16-1331.

This Amendment is accompanied by a facsimile cover sheet.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 6 of this paper.